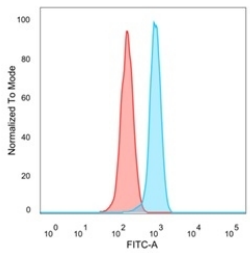
# ZBTB46 Antibody / BTBD4 / ZNF340 [clone PCRP-ZBTB46-2B8] (V9224)

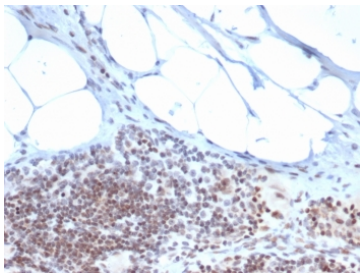
| Catalog No. | Formulation | Size |
|---|---|---|
| V9224-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V9224-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V9224SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

**Bulk quote request**

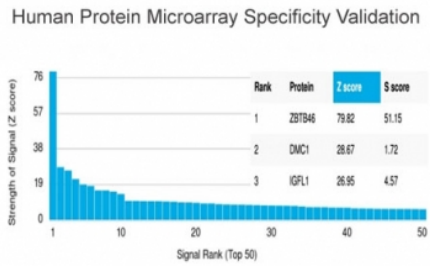
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG2a |
| **Clone Name** | PCRP-ZBTB46-2B8 |
| **Purity** | Protein A/G affinity |
| **UniProt** | Q86UZ6 |
| **Localization** | Nucleus |
| **Applications** | Flow cytometry: 1-2ug/million cells<br>Immunofluorescence: 1-2ug/ml<br>Western blot: 1-2ug/ml<br>Immunohistochemistry (FFPE): 1-2ug/ml |
| **Limitations** | This ZBTB46 antibody is available for research use only. |



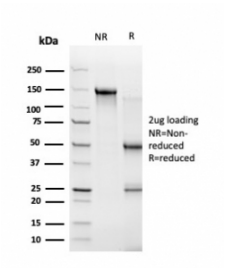

FACS staining of PFA-fixed human HeLa cells with ZBTB46 antibody (blue, clone PCRP-ZBTB46-2B8), and unstained cells (red).



IHC staining of FFPE human tonsil tissue with ZBTB46 antibody (clone PCRP-ZBTB46-2B8). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.




Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using ZBTB46 antibody (clone PCRP-ZBTB46-2B8). These results demonstrate the foremost specificity of the PCRP-ZBTB46-2B8 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.




SDS-PAGE analysis of purified, BSA-free ZBTB46 antibody (PCRP-ZBTB46-2B8) as confirmation of integrity and purity.

## Description

BTBD4 (BTB/POZ domain-containing protein 4), also known as zinc finger protein 340 (ZNF340) or zinc finger and BTB domain-containing protein 46 (ZBTB46), is a 589 amino acid protein that contains one BTB/POZ domain. The BTB/POZ domain mediates homomeric and heteromeric POZ-POZ inter- actions and is common to transcriptional regulators involved in chromatin modeling. In several BTB/POZ containing proteins, including BCL-6 and the promyelocytic leukemia zinc-finger (PLZF) oncoprotein, this domain interacts with the SMRT/N-CoR-mSin3A HDAC complex and is directly involved in repressing and silencing gene transcription. When this domain is deleted, as with the oncogenic PLZF-RAR chimera of promyelocytic leukemias, this tran- scriptional repression is attenuated. This suggests that BTBD4 may play a role in transcription regulation.

## Application Notes

Optimal dilution of the ZBTB46 antibody should be determined by the researcher.

## Immunogen

Recombinant full-length human Zinc finger and BTB domain-containing protein 46 protein was used as the immunogen for the ZBTB46 antibody.

## Storage

Aliquot the ZBTB46 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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